STUDIES IN APPLIED MATHEMATICS

Author Index to Volumes 80 and 81

Ablowitz, Mark J. (with Schultz), Strong Coupling Limit of Certain Multidimensional Nonlinear Wave Equations, 80:229

Ablowitz, M. J. (with Fokas), Forced Nonlinear Evolution Equations and the Inverse Scattering Transform, 80:253

Ablowitz, M. J. (with Fokas, Papadopoulou, and Saridakis), Interaction of Simple Particles in Soliton Cellular Automata, 81:153

Bassom, Andrew P. (with Hall), On the Generation of Mean Flows By the Interaction of Görtler Vortices and Tollmien-Schlichting Waves in Curved Channel Flows, 81:185

Beals, Richard (with Rabelo and Tenenblat), Bäcklund Transformations and Inverse Scattering Solutions for Some Pseudospherical Surface Equations, 81:125

Benney, D. J. (with Chow), A Mean Flow First Harmonic Theory for Hydrodynamic Instabilities, 80:37

Benney, D. J. (with Zhou), Instability of Three Dimensional Waves in Shear Flows, 81:41

Booty, M. R., On the Limiting Steady Configurations of a Model Plasma, 80:203

hyatt-Smith, J. G. B., The Asymptotic Solution of a Connection Problem of a Second Order Ordinary Differential Equation, 80:109

Chow, K. (with Benney), A Mean Flow First Harmonic Theory for Hydordynamic Instabilities, 80:37

David, D. (with Levi and Winternitz), Solitons in Shallow Seas of Variable Depth and in Marine Straits, 80:1

Fokas, A. S. (with Ablowitz), Forced Nonlinear Evolution Equations and the Inverse Scattering Transform, 80:253

Fokas, A. S. (with Papatheodorou), Evolution Theory, Periodic Particles, and Solitons in Cellular Automata, 80:165

Fokas, A. S. (with Papadopoulou, Saridakis, and Ablowitz), Interaction of Simple Particles in Soliton Cellular Automata, 81:153

Greenspan, H. P., Stability of the Ekman Layer in a Mixture, 81:21

Grimshaw, R. (with Melville), On the Derivation of the Modified Kadomtsev-Petviashvili Equation, 80:183

Gustavsson, L. Hakan, Direct Resonance of Nonaxisymmetric Disturbances in Pipe Flow, 80:95

Hall, Philip (with Bassom), On the Generation of Mean Flows By the Interaction of Görtler Vortices and Tollmien-Schlichting Waves in Curved Channel Flows, 81:185

Ioakimidis, N. I., A Note on the Closed-Form Determination of Zeros and Poles of Generalized Analytic Functions, 81:265

Jamison, B. (with Olariu), A New Class of Brittle Graphs, 81:89

Jamison, B. (with Olariu), On a Class of P_3-Free Graphs, 81:33

Jamison B. (with Olariu), P_4-Reducible Graphs—A Class of Uniquely Tree-Representable Graphs, 81:79

Kaup, D. J. (with Thomas), The Thrid-Order Singular-Perturbation Expansion of the Planar Cold-Fluid Magnetron Equations, 81:57

Kaup, D. J. (with Wycoff), Time Evolution of the Scattering Data for the Forced Toda Lattice, 81:7

Labelle, Jacques (with Yeh), The Combinatorics of Laguerre, Charlier, and Hermite Polynomials, 80:25

Levi, D. (with David and Winternitz), Solitons in Shallow Seas of Variable Depth and in Marine Straits, 80:1
Lu, Ya Yan, The Shunted Homopolar Dynamo—An Analytic Approach to a Poincaré Map, 80:239

Mathai, A. M., On a System of Differential Equations Connected with the Gravitational Instability of a Multicomponent Medium in Newtonian Cosmology, 80:75
Melville, W. K. (with Grimshaw), On the Derivation of the Modified Kadomtsev-Petviashvili Equation, 80:183
Moroz, Irene M., Multiple Instabilities in a Triply Diffusive System, 80:137

Olariu, S. (with Jamison), A New Class of Brittle Graphs, 81:89
Olariu, S. (with Jamison), On a Class of P_5-Free Graphs, 81:33
Olariu, S. (with Jamison), P_4-Reducible Graphs—A Class of Uniquely Tree-Representable Graphs, 81:79

Papadopoulou, E. P. (with Fokas, Saridakis, and Ablowitz), Interaction of Simple Particles in Soliton Cellular Automata, 81:153
Papatheodorou, T. S. (with Fokas), Evolution Theory, Periodic Particles, and Solitons in Cellular Automata, 80:165

Rabelo, Mauro L., On Equations Which Describe Pseudospherical Surfaces, 81:221
Rabelo, Mauro (with Beals and Tenenblat), Bäcklund Transformations and Inverse Scattering Solutions for Some Pseudospherical Surface Equations, 81:125

Reiner, Victor, Free Modules of Relative Invariants of Finite Groups, 81:181

Saridakis, Y. G. (with Fokas, Papadopoulou, and Ablowitz), Interaction of Simple Particles in Soliton Cellular Automata, 81:153
Schultz, Cherie L. (with Ablowitz), Strong Coupling Limit of Certain Multidimensional Nonlinear Wave Equations, 80:229
Senato, Domenico, A Bijective Proof of the Fundamental Theorem on Symmetric Functions, 81:1

Tam, K. K., Traveling Wave Solutions for a Combustion Problem, 81:117
Tam, K. K., Traveling Wave Solutions for Combustion in a Porous Medium, 81:249
Tenenblat, Keti (with Beals and Rabelo), Bäcklund Transformations and Inverse Scattering Solutions for Some Pseudospherical Surface Equations, 81:125
Thomas, Gary E. (with Kaup), The Third-Order Singular-Perturbation Expansion of the Planar Cold-Fluid Magnetron Equations, 81:57

Urbach, H. P., Existence of Optimum Propulsion By Means of Periodic Motions of a Rigid Profile, 81:93

Winternitz, P. (with David and Levi), Solitons in Shallow Seas of Variable Depth and in Marine Straits, 80:1
Wycoff, D. (with Kaup), Time Evolution of the Scattering Data for the Forced Toda Lattice, 81:7

Yeh, Yeong Nan (with Labelle), The Combinatorics of Laguerre, Charlier, and Hermite Polynomials, 80:25

Zhou, Y. F. (with Benney), Instability of Three Dimensional Waves in Shear Flows, 81:41

Title Index to Volumes 80 and 81

A Bijective Proof of the Fundamental Theorem on Symmetric Functions, Domenico Senato, 81:1
A Mean Flow First Harmonic Theory for Hydrodynamic Instabilities, D. J. Benney and K. Chow, 80:37
A New Class of Brittle Graphs, B. Jamison and S. Olariu, 81:89
A Note on the Closed-Form Determination of Zeros and Poles of Generalized Analytic Functions, N. I. Ioakimidis, 81:265

Bäcklund Transformations and Inverse Scattering Solutions for Some Pseudospherical Surface Equations, Richard Beals, Mauro Rabelo, and Keti Tenenblat, 81:125

Direct Resonance of Nonaxisymmetric Disturbances in Pipe Flow, L. Hakan Gustavsson, 80:95

Evolution Theory, Periodic Particles, and Solitons in Cellular Automata, T. S. Papatheodorou and A. S. Fokas, 80:165
Existence of Optimum Propulsion By Means of Periodic Motions of a Rigid Profile, H. P. Urbach, 81:93

Forced Nonlinear Evolution Equations and the Inverse Scattering Transform, A. S. Fokas and M. J. Ablowitz, 80:253
Free Modules of Relative Invariants of Finite Groups, Victor Reiner, 81:181

Instability of Three Dimensional Waves in Shear Flows, D. J. Benney and Y. F. Zhou, 81:41
Interaction of Simple Particles in Soliton Cellular Automata, A. S. Fokas, E. P. Papadopoulou, Y. G. Saridakis, and M. J. Ablowitz, 81:153

Multiple Instabilities in a Triply Diffusive System, Irene M. Moroz, 80:137

On a Class of P_5-Free Graphs, B. Jamison and S. Olariu, 81:33
On a System of Differential Equations Connected with the Gravitational Instability of a Multicomponent Medium in Newtonian Cosmology, A. M. Mathai, 80:75
On Equations Which Describe Pseudospherical Surfaces, Mauro L. Rabelo, 81:221
On the Derivation of the Modified Kadomtsev-Petviashvili Equation, R. Grimshaw and W. K. Melville, 80:183
On the Generation of Mean Flows By the Interaction of Görtler Vortices and Tollmien-Schlichting Waves in Curved Channel Flows, Andrew P. Bassom and Philip Hall, 81:185
On the Limiting Steady Configurations of a Model Plasma, M. R. Booty, 80:203

P_4-Reducible Graphs—A Class of Uniquely Tree-Representable Graphs, B. Jamison and S. Olariu, 81:79

Solitons in Shallow Seas of Variable Depth and in Marine Straits, D. David, D. Levi, and P. Winternitz, 80:1
Stability of the Ekman Layer in a Mixture, H. P. Greenspan, 81:21
Strong Coupling Limit of Certain Multidimensional Nonlinear Wave Equations, Mark J. Ablowitz and Cherie L. Schultz, 80:229

The Asymptotic Solution of a Connection Problem of a Second Order Ordinary Differential Equation, J. G. B. Byatt-Smith, 80:109
The Combinatorics of Laguerre, Charlier, and Hermite Polynomials, Jacques Labelle and Yeong Nan Yeh, 80:25
The Shunted Homopolar Dynamo—An Analytic Approach to a Poincaré Map, Ya Yan Lu, 80:239
The Third-Order Singular-Perturbation Expansion of the Planar Cold-Fluid Magnetron Equations, D. J. Kaup and Gary E. Thomas, 81:57
Time Evolution of the Scattering Data for the Forced Toda Lattice, D. Wycoff and D. J. Kaup, 81:7
Traveling Wave Solutions for a Combustion Problem, K. K. Tam, 81:117
Traveling Wave Solutions for Combustion in a Porous Medium, K. K. Tam 81:249